

Subject: glowbugs V1 #162

glowbugs

Tuesday, November 25 1997

Volume 01 : Number 162

Date: Mon, 24 Nov 1997 05:23:54 +0000

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: The 40 meter "shift" again

Hello Gang,

Someone on another reflector came up with a Brilliant idea IF this 6.9-7.2 Mhz 'relocation' comes down for 40 meters.

It's super simple: Allocate the new 6.9 to 7.0 mhz slice exactly as the 7.2-7.3 Mhz segment is allocated. This will preserve the CW sub-band where it is now to allow QRP and BA gear users to still operate their equipment without extensive modification or change. At the same time, the "AM" users can lay claim to the 6990 and 6995 spots for AM voice operation in the shifted sub-band. Most of the old rigs will go there with no modification, as there is 5-10 khz of "leeway" on the low end of most VFO calibrations.

If you like the idea, let's talk it up now with other hams and the ARRL bunch. It's not too early to do this. The more support we can get, the longer we can use our beloved "boat anchor" rigs!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

860 Hartley 'ECO' under construction**

*** Looking for a TRC-10 transceiver *****

*** looking for an RAL receiver *****

Date: Mon, 24 Nov 1997 06:59:34 EST

From: nels@juno.com (Larry Szendrei)

Subject: Re: Old Tubes - Help!

Hi, Rod,

As a matter of fact, I do know where you can get a socket. Antique Electronic Supply has two sockets that will take a 211/VT-4C. The 1st is part # P-ST4-192, at \$6.50 ea. The 2nd is part @ P-ST4-193, at \$15.95. The latter one has gold-plated contacts.

If you're lucky enough to find a socket at a hamfest, the going rate ranges from \$2 - \$5. Both the AES sockes are made in China. The only caveat is that if they're temporarily out of stock, you may have to wait a while. That's what happened to me when I bought a couple a few year's back. At the time I did, they weren't offering the gold-plated variety, but it's a fine, sturdy socket with a white ceramic base. I'd go for the \$6.50 model - something tells me the gold-plated one is catering to the

golden-ear crowd. The phone# for Antique Electronic Supply is (602) 820-5411. (I have no connection to the business other than being a satisfied customer - Gawd, I WISH I could make a living doing something related to this stuff!). The filament of the 211 requires 10V @ 3.25A.

One of the projects on my Round Tuit list is a 203A -> 211 MOPA rig, series-modulated with a class A 833A. Pretty much have everything I need but the time! (Come to think of it, I could use a "socket" for an 833A, if you can call it that. I was planning on fabricating one 'cause they're rather scarce, but the real McCoy would be much nicer! Too bad AES doesn't carry those! But I digress...)

Good luck, and hope to hear that 211 Hartley rig a-perkolatin' soon!

Larry (NE1S)

On Sun, 23 Nov 1997 00:12:55 -0600 w5hvv@aeneas.net (Roderick M. Fitz-Randolph) writes:

>Larry, thank you very, very much for the information!!! I really\
>appreciate it. I am torn between which tube to use for the Hartley.
>I would really like to use an 812A but don't have one. I may try to
>use the VT-4-C but I don't have a socket for it nor do I have a
>filament
>transformer. Any ideas where I can get a socket?
>
>Rod, N5HV
>w5hvv@aeneas.net
>
>
>

Date: Mon, 24 Nov 1997 06:59:34 EST
From: nels@juno.com (Larry Szendrei)
Subject: Re: 39/44 tube.

Claton,

The 39/44 is a remote-cutoff pentode used in RF/IF amp stages in receivers, particularly those employing AVC. (I'm paraphrasing the ole' RCA tube manual here, can ya' tell?) The heater wants 6.3V @ 0.3A, and the suppressor grid is connected to the cathode internally. Might make a good regenerative detector, as the detector in the famous RAL uses a 6D6, also a remote-cutoff pentode. The RAL obtains its feedback via a tickler in the cathode circuit, so having the suppressor connected to the cathode may require grounding the cathode/supressor and connecting the tickler in the plate circuit instead (which is a much more common hookup, anyway). If you try it, let us know how it works.

As far as transmitter use goes, the tube might be useful as a crystal osc. or VFO in a multistage design, but as a single-stage rig you're looking at peanut power for sure....

As far as it's worth, AES lists NOS 39/44's for \$3.00 in their latest

catalog. So either there's not much demand, or there's a ton of them around. I wouldn't mind getting my hands on a few, though... could be fun to play with, and at \$3.00 a pop, the price is right!

73 ES GL,
Larry (NE1S)

On Thu, 20 Nov 1997 08:06:22 -0600 "Claton Cadmus"
<aplitech@spacestar.net> writes:
>What is a 39/44 tube, it's a five pin with a grid(?) cap. Is this
>tube
>good for anything like a regen or vintage style ham transmitter and
>what
>is one worth? I have access to quite a few.
>----

Date: Mon, 24 Nov 1997 15:13:10 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Hartley 811A Success

> Fortunately the first thing I tried seems to work.
> I made up a homemade capacitor which measures 12pf on my meter. It was made
> from a square of double-sided pc board with a lead soldered to each side.
> Don't have any idea what the voltage rating would be on it. I put the cap
> between the grid and the plate.

Great! I had others like 805's laying around, so I never pursued the added cap idea. But, your neato little trick gimick is a great use of PC board! Kudos!

> How about using two of them in a push-pull TNT rig?

Or classically, in a 4 tuber composed as a parallel/push-pull TNT rig! Paralle two on each side. More Power!

73/ZUT DE NA4G/Bob UP

Date: Mon, 24 Nov 1997 15:25:28 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Hartley 811A Success

> After that maybe I'll rework the 160
> rig in time for Straight Key Night. I'd love to work that on 80 and 160 with
> just a couple Hartleys and the regen! A bit of New Year's cheer in one hand
> and a straight key in the other. What a way to spend New Years Eve!!
>
> 73 Eric KA1YRV

Nows we be a'gittin' downs ta de ol' brassie tackiepoos! All this 'ere musterin up an' beatin' da bushes abouts Hartleys an Regennies was fe ONE all-fired-upie purpose..... ta gets some o' da crew on watch fer some

Holiday Frolicks wid Grandma Hartley an' Twinnie Triode at da First Annual Globugge Firebottle Bashin' Ralleye! Methinks somethin' alike.....

- 1) SKN on New Years Eve, with a subdivision fer the crewe wats got their Hartleys an' Regennies aboard. Mebbie even some pix o' same fer QST!
- 2) On the weekend before or the weekend after, have a First Annual Glowbugge Firebottle Bashin' Ralleye (or somesuch) an sees hows manys o' da crewe canst muster up on watch fer some 200 Metere an' Down fun (betwixt 160 an 80M).

Our Illustrious List Master has done us well, ta starts da ball rollin! Now's ralleye 'round an lessee wats particulars we needs ta firm up upon.

Wassay?

73/ZUT DE NA4G/Bob UP

Date: Mon, 24 Nov 1997 12:14:45 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

Subject: Re: Hartley 811A Success

- > 1) SKN on New Years Eve, with a subdivision fer the crewe wats got their
> Hartleys an' Regennies aboard. Mebbie even some pix o' same fer QST!
>
> 2) On the weekend before or the weekend after, have a First Annual
> Glowbugge Firebottle Bashin' Ralleye (or somesuch) an sees hows
> manys o' da crewe canst muster up on watch fer some 200 Metere an'
> Down fun (betwixt 160 an 80M).

This is all well and good and sounds like a real blast....BUT....do we need "Divisions" or something? I have tried for the past several months to work east of Ole Miss and haven't had a heck of a lot of luck, and this was on 3579. I shudder to think what might happen on top band.

Although I am trying, manfully, to get some of the local old timers interested in this type of endeavour, so far my efforts are only beginning to arouse interest. Most think I am nuts.

About the only GB'ers I have worked are Adam McLoughlan '6POC on 40, Ken KD6B with his ART-13 on 80, and Jack W7QQQ on 40 with his one tube 35 watter with its pretty signal.

Although Brian WA5UEC in Plano, Texas has heard me twice on 3579, he had a difficult time.

Ideas, anyone? I suppose if you guys in the east want to have your own "contest" you can go ahead, but it seems sort of well, YOU know.

Ken W7EKB

Date: Mon, 24 Nov 1997 16:50:21 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Hartley 811A Success

Date: Mon, 24 Nov 1997 16:54:44 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
Subject: Re: Hartley 811A Success

> This is all well and good and sounds like a real blast....BUT....do we
> need "Divisions" or something? I have tried for the past several months
> to work east of Ole Miss and haven't had a heck of a lot of luck, and this
> was on 3579. I shudder to think what might happen on top band.

I am game.

Also, lets try to keep the 3579 and 1802 alive until 0600Z and later,
particularly 0500Z-0600Z for the WestCoasters to chime in on.

I will try to keep something lit 0500-0700Z each nite over the next
week on 3579, to see if you can be heard back east.

Bob/NA4G

Date: Mon, 24 Nov 1997 17:29:58 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
Subject: Re: Hartley 811A Success

> > This is all well and good and sounds like a real blast....BUT....do we
> > need "Divisions" or something? I have tried for the past several months
> > to work east of Ole Miss and haven't had a heck of a lot of luck, and this
> > was on 3579. I shudder to think what might happen on top band.

>

> I am game.

>

> Also, lets try to keep the 3579 and 1802 alive until 0600Z and later,
> particularly 0500Z-0600Z for the WestCoasters to chime in on.

>

> I will try to keep something lit 0500-0700Z each nite over the next
> week on 3579, to see if you can be heard back east.

I did hear Sandy last night, about the time you called him. I ***THINK***
I heard you in there, but with my 75-90 watts I don't think you are going
to hear me. Will try again tonight.

Ken

Date: Mon, 24 Nov 1997 17:14:17 -1000
From: Peter Demmer <ampruss@hits.net>
Subject: Re: Hartley 811A Success

Ken Gordon wrote:

>
> > 1) SKN on New Years Eve, with a subdivision fer the crewe wats got their
> > Hartleys an' Regennies aboard. Mebbie even some pix o' same fer QST!
> >
> > 2) On the weekend before or the weekend after, have a First Annual
> > Glowbugge Firebottle Bashin' Ralleye (or somesuch) an sees hows
> > manys o' da crewe canst muster up on watch fer some 200 Metere an'
> > Down fun (betwixt 160 an 80M).
>

SNIP

> About the only GB'ers I have worked are Adam McLoughlan '6POC on 40, Ken
> KD6B with his ART-13 on 80, and Jack W7QQQ on 40 with his one tube 35
> watter with its pretty signal.
>

SNIP

> Ken W7EKB

Ken; Your/my SASE flew the coop today. What is Jack W7QQQ
floorboarding to run his Hartly down the road at 35 Watts? Any
schematics available. Wait till they get ahold of the tail of your 813
tiger. Snap, Crackle and hopefully no "pop". Watch the 811 thread and
the pc board cap between plate and grid. Aloha Peter KH6CTQ

Date: Mon, 24 Nov 1997 17:19:15 -1000
From: Peter Demmer <ampruss@hits.net>
Subject: Re: Hartley 811A Success

rdkeys@csemail.cropsci.ncsu.edu wrote:

Boy, talk about a cliff hanger. So whats the scoop rdkey> The thread
says you got it reliably perking with a pc board cap. Details my good
man details. Aloha from accross the pond, Peter KH6CTQ

Date: Mon, 24 Nov 1997 20:01:00 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
Subject: Re: 813 Osc...

> Ken; Your/my SASE flew the coop today.

Great! I mailed three out today, Jack's, Walt's, and another I can't
remember, so as soon as yours gets here, out it goes.

> What is Jack W7QQQ
> floorboarding to run his Hartly down the road at 35 Watts?

Its not a Hartley: it is a crystal controlled one tuber with the prettiest

tone I have ever heard. Absolutely beautiful!

> Any
> schematics available.

Ask Jack. I dunno what he is using, but you can bet, from the keying, he modified that dude a little: at least in the keying department.

> Wait till they get ahold of the tail of your 813
> tiger. Snap, Crackle and hopefully no "pop". Watch the 811 thread and
> the pc board cap between plate and grid. Aloha Peter KH6CTQ

Been watching. I am really anxious to hear one of these rigs (811A/813) on the air.

Heard W5TVW again tonight, and W7ZFB. Called ZFB several times. Even followed his excursions up and down the band, but no luck. Also heard W5ZR pretty loud while in QSO with ZFB. Neither heard me. This all about 0300 - 0350 or so. W5ZR started out really strong and then faded clear out within about 20 minutes. Band is kinda funny. Maybe I need to build a full-sized 5 element rotatable yagi for 80.

Ken W7EKB

Date: Mon, 24 Nov 1997 22:01:48 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
Subject: 3579 QRG...

Heard Sandy W5TVW calling WB7ZFR at 0440. Sandy was about 56/79. Nice and clear. He didn't hear me.

Heard Bob NZ4G working someone at 0545. Bob was about 449, but he sure sounded nice. He didn't hear me either. The guy he was working was about 500 cycles lower and right in the TV QRM.

Mayhap conditions are getting better????

Ken W7EKB

BTW, sent out 3 copies of the 813 oscillator stuff today.

End of glowbugs V1 #162
